

Letter No: GSCL/EHS/2024-25/75

Dated: 30.05.2024

To,
The Ministry of Environment & Forests & Climate Change,
Regional Office, Law-u-sib, Lumbatngen,
Near MTC Workshop, Shillong
Meghalaya - 793021

Kind Attn. Dr. H. Tynsong, Scientist E

Sub: Six monthly compliance report for Cement Plant (1.65 MTPA, Cement 2.54 MTPA) along with Captive Thermal Power Plant (2x20 MW) at Vill: Musiang Lamare (old), P.O. Khliehriat, Dist. East Jaintia Hills, Meghalaya 793200 – regarding.

Ref: EC No. J-11011/851/2008-IA II (I) dated 30.09.2010

Dear Sir,

We are pleased to enclose herewith six monthly compliance status report for the period of 01.10.2023 to 31.03.2024 for the conditions stipulated in EC granted to our Cement Plant along with Captive Thermal Power Plant at Village Musiang Lamare (old), P.O. Khliehriat, Dist. East Jaintia Hills, Meghalaya.

All annexures are enclosed as mentioned in compliance report for your kind reference.

We are also sending herewith soft copy of the compliance report to your good office via email: moefro.shillong@gov.in for your kind perusal.

Thanking You,

Yours faithfully

For Goldstone Cements Ltd.

[Signature]
SVP-Gupta 30/5/24
Executive President



Copy to: The Regional Director, Central Pollution Control Board, Regional Directorate, Opp. Government Press, Ground Floor, CTO Building, BSNL Shillong- 793001
The Member Secretary, Meghalaya State Pollution Control Board, "ARDEN" Lumpyngngad, Shillong, Meghalaya 793014

CORPORATE OFFICE

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**BLACK
TIGER**
CEMENT

SALES & MARKETING OFFICE

5A, 5th Floor, Shine Tower, 57, Sati Jaymati Road,
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Assam -781008 Ph. No. +91-361-260701

Title: Six monthly compliance status report of Environmental Clearance

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Six monthly compliance status report of Environmental Clearance
Letter No. J-11011/851/2008-IA II (I) dated 30.09.2010

Period: October 2023 to March 2024

S. No.	A. Specific Conditions	Compliance Status
i.	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution Control system. Electrostatic precipitators (ESP) to clinker cooler, bag house raw mill/kiln and bag filters to coal mill and cement mill. Low NOx burners should be provided to control NOx emissions.	Complied. Continuous stack monitoring facilities are installed and is in working condition, online data is being transferred to CPCB & MegSPCB regularly. ESP for Clinker Cooler, Bag house/Bag filters for Raw Mill / Kiln, Coal Mill, Cement Mill and transfer points installed in plant to keep PM below 30 mg/Nm ³ as per Consent condition. ESP installed in Captive Power Plant and emission is within norms 50 mg/Nm ³ . Low NOx burner provided to control NOx emissions at Kiln. OCEMS data are visible on website https://megspcb.glensserver.com .
ii.	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB). A feasibility report shall be prepared and submitted to the ministry and its Regional office at Shillong within 03 months from the date of issue of the letter.	Against EC Approved capacity of 1.65 MTPA of Clinker Kiln, we have installed only 0.56 MTPA of Clinker Kiln which is only 34% of approved EC capacity. Kiln capacity being low, hot gases generated from the existing Kiln are required for drying the moisture in raw mill & cement mill. Similarly, waste heat of Kiln is largely utilized in raw mill & coal mill. Therefore, with the present installed capacity, very less quantum of hot gases is left. However, we have carried out the technical feasibility study for our plant for installation of WHRB and a copy of technical Feasibility report is already submitted to Regional Office, Shillong.
iii.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November 2009 shall be followed.	Complied. Ambient air quality monitoring is being done and the concentration is within the limit for all the parameters, latest monitoring report is attached as Annexure 1A .
iv.	Secondary fugitive emission shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of practice issued by the CPCB in this regard should be followed.	Complied. All transfer points are provided with Bag filters to control fugitive emission. Construction of concrete roads is under progress in the plant. Dust suppression is being done through water sprinklers installed in limestone crusher and plant roads. Water tanker is being deployed in the plant for water sprinkling on all roads. Environmental guidelines for prevention and control of fugitive emissions from cement plants issued by the CPCB is being followed. Regular monitoring for control of secondary fugitive

S. No.	A. Specific Conditions	Compliance Status
		emission is being done and concentration is under prescribed limit, latest monitoring report is attached as Annexure 1B .
v.	Effort shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be over loaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	Being complied. All the raw materials, cement and fly ash is being transported in the closed/covered trucks within load capacity. Area is demarcated for parking of trucks. It is ensured that have valid PUC of all vehicles, list of some vehicles of PUC certificate is attached as Annexure 2 .
vi.	Total water requirement for cement and captive power plant shall not exceed 2,370 m ³ / day. All the treated wastewater shall be recycled and reused in the process and / or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'Zero' discharge should be adopted.	Total water requirement for Cement and Captive Power Plant at 2370 M3 / Day was assessed based upon total EC approved capacity. However, the actual installed capacity of Clinker Kiln & Cement Grinding is still at as 34% only of EC approved capacity. Similarly, actual installed capacity of Captive Power Plant is 25% of EC approved capacity. Hence, the proportionate water requirement varies between 500 to 700 M3 (approx.) / per day only, which is much lower than 2370 M3 / day assessed on EC approved capacity of production. Since the total water requirement itself is much lower and therefore, the quantum of treated waste water is also reduced. To handle this lower quantum of waste water, plant has been designed as per close circuit arrangements for cooling water. Company has adopted "ZERO discharge" of waste water. All the treated wastewater is reused in the process and for dust suppression on roads. This requirement of around 500 Cum per day is met from surface and run off water for which NOC has been granted by Government of Meghalaya and a copy of the same is also furnished with Regional Office of Ministry at Shillong. Copy is enclosed as Annexure 11 .
vii.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only	Complied. We have constructed 3 nos. rain water harvesting pit, reservoir of 100 m ³ capacity towards western side and Check dam. Photographs is attached as Annexure 3 .

S. No.	A. Specific Conditions	Compliance Status
	balance water requirement shall be met from other sources.	
viii.	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional office at Shillong, SPCB and CPCB.	We are not generating any process effluent, cooling water entirely recycled in cement plant. Effluent from DM plant is treated in a neutralization pit and treated water is reused entirely for dust suppression on haul roads. Regular monitoring is carried out and same is being submitted at RO, MOEF&CC, SPCB & CPCB. Latest monitoring report is attached as Annexure 1E, 1F & 1G .
ix.	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.	Complied. All the dust collected through pollution control equipment is either raw material or cement dust recycled in a closed loop. Spent oil and batteries are being sold to authorized recyclers.
x.	All the fly ash shall be utilized as per fly ash Notification, 1999 subsequently amended in 2003. Effort shall be made to use fly ash maximum in making Pozzolana Portland Cement (PPC).	Complied. Fly ash generated in our captive power plant is completely self-used in manufacturing of Pozzolana Portland Cement (PPC).
xi.	Effort shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Complied. Low grade limestone is blended with high quality grade limestone. Fly ash generated in CPP is being used in manufacturing of PPC. We are manufacturing more of PPC over OPC.
xii.	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	The generation of high calorific hazardous waste inside our plant is very insignificant except a very small quantity of used lubricants and the same is incinerated in our Clinker Kiln.
xiii.	As proposed, green belt shall be developed in at least 33% area in around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	Complied. Developed 33.6% area under green belt. Details of greenbelt is attached as Annexure 4 .
xiv.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants should be implemented.	Complied. All recommendations were considered during the design of plant and machineries and as such all the issues in this regard are being complied. Annexure 5

S. No.	A. Specific Conditions	Compliance Status
xv.	All the commitments made to the public during the Public Hearing / Public consultation meeting held on 27 th November 2009 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional office at Shillong.	Complied. All of the points of public hearing have been addressed. Company has given preference to local people for employment in company. Company has conducted social development activities in nearby vicinity areas on health facilities, ambulance facilities, water facilities, free and subsidized cements for constructing the roads, churches, schools, community halls, cultural program and etc.
xvi.	At least 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	We have been carrying out welfare activities in the area of assisting the village school, contribution to PM care fund and CM care fund, and support to villagers in rural housing development. CSR activities and expenditure details of FY 2023-24 is attached as Annexure 6 .
xvii.	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied.

S. No.	B. General Conditions	Compliance Status
i.	The project authorities must strictly adhere to the stipulations made by the Meghalaya State Pollution Control Board and the State Government.	Complied. Stipulations mandated in the CTO are being complied with.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Complied. The generation of high calorific hazardous waste inside our plant is very insignificant except a very small quantity of used lubricants and the same is incinerated in our Clinker Kiln.
iii.	The gaseous emissions from various process units shall conform to the load / mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Complied. Our unit with sophisticated technologies is able to meet with the new standards of emission for cement industries, including load-based standards.

S. No.	B. General Conditions	Compliance Status
iv.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional office at Shillong and the SPCB/CPCB once in six months.	Complied. Four numbers of ambient air quality monitoring station have been established with consultation of MegSPCB. Monthly monitoring of AAQ is being carried out by NABL accredited lab. Report of AAQ and stack emission is being submitted to RO, MOEF&CC, CPCB & MegSPCB once in six months. Latest monitoring report is attached as Annexure 1A &1C.
v.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Complied. Treated wastewater from N Pit of DM plant is entirely using in dust suppression measures. Treated wastewater from STP is entirely using in greenbelt development.
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Complied. Noise level is monitored and being found within the prescribed limit. Latest monitoring report is attached as Annexure 1D.
vii.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Complied. Occupational health center is established in our Plant Campus. The Occupational Health surveillance of our workers done in Year 2024 and report is enclosed as Annexure 7.
viii.	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied. We have constructed a Check Dam as surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table. Photographs is attached as Annexure 3.
ix.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Complied. The implementation of the conditions given in EIA/EMP is being done. We are sponsoring for community development program, providing the drinking water facility, Health camps, eye checkup camps, providing free medicines and free ambulance services to local community.

S. No.	B. General Conditions	Compliance Status
x.	As proposed, Rs 25 Crores and Rs 1.80 Crores shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of environment & Forests as well as the state government. An implementing all the conditions stipulated herein shall be submitted to the Regional office of the Ministry at Shillong. The Funds so provided shall not be diverted for any other purpose.	Complied. We have already incurred Rs. 26.01 Crores towards capital cost. Additionally, we have incurred Rs. 1.79 Crores towards recurring cost during the year 2022-23.
xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied. The EC upload on company website https://blacktigerscement.com
xii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Shillong. The respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; PM 10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. Environmental Parameters display board have been provided near company main gate. Photographs is enclosed in Annexure 8 . The Six Monthly EC compliance reports uploaded in our company website https://blacktigerscement.com .
xiii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional office of MOEF, the respective Zonal office of CPCB and the SPCB. The Regional office of this Ministry at Shillong / CPCB /SPCB shall monitor the stipulated conditions.	Complied. Latest compliance report submitted on 29.11.2023, receipt copy is enclosed as Annexure 9 .
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status	Complied. Form V has been submitted in Meghalaya State Pollution Control Board. Same is also uploaded in our company website https://blacktigerscement.com . Receipt copy of submission is enclosed as Annexure 10 .

S. No.	B. General Conditions	Compliance Status
	of compliance of environmental conditions and shall also be sent to the respective Regional office of the MOEF at Shillong by e-mail.	
xv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Shillong.	Complied.
xvi.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied. Project Phase has been partially completed and complied with stipulated conditions.

Amendment in Environmental Clearance for prevention of Acid Mine Drainage (AMD)
Letter No. J-11011/851/2008-IA II (I) dated 16.10.2020

S. No.	Specific Condition	Compliance Status
i.	Storage areas / stockpiles for coal in the unit shall be covered and shall have impervious flooring. Garland drains shall be provided around the storage area / Stockpiles to arrest the seepage water from coal yard. The seepage water thus collected shall be treated to meet industry specific / general discharge norms for water quality as applicable. "In this regard, the compliance status shall be furnished to the Regional Office periodically along with the six monthly compliance report.	Complied. We have already completed covered shed and flooring for coal storage. Garland drains surrounding the coal shed with neutralization pit provided. Photograph is enclosed in Annexure 12 .

Report No. : ENV/GSCL/23-24/AA-03/01
Date : 09/04/2024

Order No. : FFE/500002927
Date : 12/04/2023

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village: Musiang Lamare (Old); PO: Khliehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	CO (mg/m ³)	O ₃ (µg/m ³)	B(a)P (ng/m ³)	C ₆ H ₆ (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Near CPP (Water Reservoir)	27.03.2024	21.9	51.7	7.1	8.4	7.8	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near CCR (Material Yard)	27.03.2024	22.7	54.1	6.8	9.2	10.7	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near Guest House (Yamuna Sadan)	28.03.2024	17.2	43.2	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Residential Colony	28.03.2024	15.4	37.5	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, **ENVIROCON**

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Report No.: ENV/GSCL/23-24/FE-03/01
Date : 09/04/2024

Order No.: FFE/500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: - Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	27.03.2024	912	5000
02	Coal Storage Section	27.03.2024	672	2000
03	Limestone Storage Section	28.03.2024	1863	5000
04	Cement Packing Section	28.03.2024	2181	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GSCL/23-24/SE-03/01
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/2024/SE-03/01		
02	Date of Sampling	27.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	79		
07	Exit Velocity of Gas (m/sec)	11.7		
08	Flue Gas Flow Rate (Nm ³ /hr)	40334		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GSCL/23-24/SE-09/03
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/2024/SE-03/03		
02	Date of Sampling	27.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Stack Diameter (Meter)	2.4		
06	Flue Gas Temperature (°C)	233		
07	Exit Velocity of Gas (m/sec)	12.4		
08	Flue Gas Flow Rate (Nm ³ /hr)	118948		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable


Date:

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/23-24/SE-09/02
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/2024/SE-03/02		
02	Date of Sampling	27.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.4		
06	Flue Gas Temperature (°C)	54		
07	Exit Velocity of Gas (m/sec)	13.4		
08	Flue Gas Flow Rate (Nm ³ /hr)	67683		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/GSCL/23-24/SE-09/05
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/2024/SE-03/05		
02	Date of Sampling	28.03.2024		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Stack Diameter (Meter)	2.5		
06	Flue Gas Temperature (°C)	97		
07	Exit Velocity of Gas (m/sec)	6.8		
08	Flue Gas Flow Rate (Nm ³ /hr)	96795		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	42	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	486	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	226	mg/Nm ³	300
iv.	Mercury (as Hg)	<0.001	mg/Nm ³	0.03



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
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Report No.: ENV/GSCL/23-24/SE-09/04
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/2024/SE-03/04		
02	Date of Sampling	28.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (Killn)		
05	Stack Diameter (Meter)	3.15		
06	Flue Gas Temperature (°C)	176		
07	Exit Velocity of Gas (m/sec)	12.8		
08	Flue Gas Flow Rate (Nm ³ /hr)	238369		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	479	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	262	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/23-24/N-03/01

Date : 09/04/2024

Order No.: FFE/7500002927

Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Near Coal Mill	27.03.2024	69.2	75	65.8	70
2	Near CPP Area	27.03.2024	70.4	75	66.4	70
3	Near Coal Storage Yard	27.03.2024	63.8	75	60.5	70
4	Near Raw Mill	27.03.2024	69.7	75	67.4	70
5	Near Cement Mill	28.03.2024	70.1	75	66.9	70
6	HR & Mine's Office	28.03.2024	53.7	75	49.3	70
7	CPP TG Building	28.03.2024	72.9	75	67.9	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/23-24/DW-03/01
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/DW-2803/01
Collected On : 28-03-2024

Sample Source : Residential Colony
Received On : 01-04-2023

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour , Hazen Units, Max	1	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.5	1	5
5.	Ph	6.91	6.5 – 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	63	500	2000
7.	Aluminium (as Al), mg/l, Max.	<0.001	0.03	0.2
8.	Boron (as B), mg/l, Max.	<0.001	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	17	75	200
10.	Chloride (as Cl), mg/l, Max	4.4	250	1000
11.	Copper (as Cu), mg/l, Max	<0.001	0.05	1.5
12.	Fluorides (as F), mg/l, Max	<0.1	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	<0.01	0.2	1
14.	Iron (as Fe), mg/l, Max	0.012	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	3	30	100
16.	Manganese (as Mn), mg/l, Max	<0.001	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	<0.01	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	<0.1	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	<1.0	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	<0.001	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/23-24/DW-03/01
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2023/DW-2803/01 Sample Source : Residential Colony Sample Type : Drinking Water
Collected On : 28-03-2024 Received On : 01-04-2024 Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	46	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	7.6	200	600
23.	Cadmium (as Cd), mg/l, Max.	<0.001	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	<0.001	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	<0.001	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	<0.001	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	<0.001	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	<0.001	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	<0.001	0.01	0.05
31.	Molybdenum (as Mo), mg/l, Max	<0.001	0.07	No Relaxation
32.	Faecal Coliforms/ 100 ml	Absent	Absent	Absent
33.	E. Coli / 100 ml	Absent	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025

Remarks: Drinking water from the above source is fit for drinking.


Date:

Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/GSCL/23-24/WW-03/01
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/WW-2803/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 28.03.2024
Sample Received On : 01.04.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.72	5.5 – 9.0
2.	Temperature	°C	25.6	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	43	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	139	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	6.8	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	38	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0


Date:

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/GSCL/23-24/WW-03/02
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/WW-2803/02
Sample Type/Source : Waste Water (Treated)/CPP N-Pit Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 28.03.2024
Sample Received On : 01.01.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.81	5.5 – 9.0
2.	Temperature	°C	25.7	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	28	100
4.	Biochemical Oxygen Demand	mg/l	22	30
5.	Chemical Oxygen Demand	mg/l	89	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	6.8	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	38	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/GSCL/23-24/SW-03/01
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/SW-2803/01
Collected On : 28-03-2024

Sample Source : Plant Nala Upstream
Received On : 01-04-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	5	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	25.1	--
4.	pH Value	6.79	6.5 - 8.5
5.	Suspended Solids	39	--
6.	Total Dissolved Solids, mg/l, Max.	145	500
7.	Conductivity, μ S/cm	242	--
8.	Dissolved Oxygen, mg/l, Min.	6.2	--
9.	Biochemical Oxygen Demand, mg/l, Max.	8	--
10.	Chemical Oxygen Demand, mg/l, Max.	49	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as CaCO ₃), mg/l, Max.	8.8	200
14.	Calcium (as Ca), mg/l, Max.	17	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.059	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	4.8	--
18.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	28	--
19.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GSCL/23-24/SW-03/02
Date : 09/04/2024

Order No.: FFE/7500002927
Date : 12/04/2023

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2024/SW-2803/02
Collected On : 28-03-2024

Sample Source : Plant Nala Downstream
Received On : 01-04-2024

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	8	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	25.2	--
4.	pH Value	6.73	6.5 - 8.5
5.	Suspended Solids	35	--
6.	Total Dissolved Solids, mg/l, Max.	136	500
7.	Conductivity, $\mu\text{S}/\text{cm}$	238	--
8.	Dissolved Oxygen, mg/l, Min.	6.9	--
9.	Biochemical Oxygen Demand, mg/l, Max.	6	--
10.	Chemical Oxygen Demand, mg/l, Max.	39	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as CaCO_3), mg/l, Max.	8.7	200
14.	Calcium (as Ca), mg/l, Max.	10	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.048	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	4.9	--
18.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	26	--
19.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--

Analysis Protocol: IS 3025



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

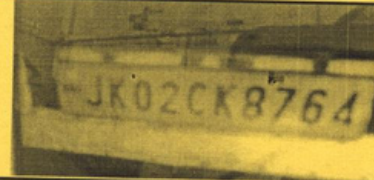
Authorised By :
Government of Haryana

Date : 17/06/2023
Time : 10:59:49 AM
Validity upto : 16/06/2024



Certificate SL. No. : HR03702390002943
Registration No. : JK02CK8764
Date of Registration : 10/Dec/2019
Month & Year of Manufacturing : July-2019
Valid Mobile Number : *****1518
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : HR0370239
GSTIN :
Fees :
MTC observation : (GST to be paid extra as applicable)
No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.93

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of West Bengal

Date : **22/03/2023**
Time : **14:36:39 PM**
Validity upto : **21/03/2024**



Certificate SL. No. : WB06300800001195
Registration No. : JK02AW7695
Date of Registration : 06/Aug/2012
Month & Year of Manufacturing : June-2012
Valid Mobile Number : *****1095
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : WB0630080
GSTIN : 19ABKPH1948P1ZZ
Fees : Rs.100.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.75

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

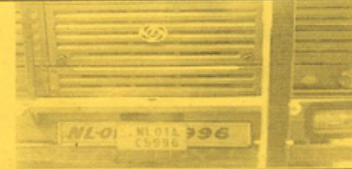
Authorised By :
State Transport Department

Date : **11/08/2023**
Time : **12:02:38 PM**
Validity upto : **10/02/2024**



Certificate SL. No. : TR00200020008225
Registration No. : NL01AC5996
Date of Registration : 05/Nov/2018
Month & Year of Manufacturing : July-2018
Valid Mobile Number : *****1718
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : TR0020002
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm

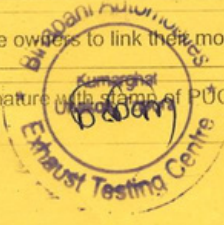


Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	0.6

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm





प्रदूषण नियंत्रण प्रमाण पत्र POLLUTION UNDER CONTROL CERTIFICATE

[Approved by Department of Transport, Government of Rajasthan, Jaipur]

परिवहन विभाग राजस्थान सरकार से मान्यता प्राप्त

(Rule 115 of CMV Rules 1989)

18662487

Pucc No :	D42RJ31107765
Vehicle No :	JK02DF2755
Customer Name :	jasbir singh
Customer Mobile :	6006462745
Year of Regn :	24-08-2023
Type of Vehicle :	TRUCK
Make :	Tata Motors
Model :	TRUCK
Test Date :	07-09-2023
Time :	09:32:21 AM
Valid UpTo :	06-09-2024
Center Name :	Raj Jangu Mobile Pollution Checking Center, (RJ31-GB-0379)
Center Address :	Hanumangarh
Licence No :	RJ31-0041/0042
Test Result :	Pass

VALID IN ALL INDIA

Photo of Vehicle



Flushing Cycle			
Avg	RPM Min	RPM Max	Temp
870		3340	63

Sr. No.	RPM Min	RPM Max	Km	HSU%	Temp
1	840	3340	0.71	26.18	60
2	880	3350	0.75	27.47	63
3	830	3330	0.67	24.97	63
Mean			0.71	26.21	

Raj Jangu Mobile Puc Center
Get Certificate renewed within the expiry date.

RJ/31/041-42

M. 8558387000, 8582059000

Prescribed Limit for Diesel vehicle	1/m(Light Absorption Co-efficient)	Hartridge Units (HSU)%
Free Acceleration BS II & III	2.45	65
Free Acceleration BS IV	1.62	50
Free Acceleration BS VI 4/3 wheelers	0.7 / 1.5	26 / 48

Validity Six Months for Bharat Stage III or below and one year for Bharat Stage IV / VI vehicles.

Certificate price: ₹ 105

Seal of Testing Station

Testing Station Code

Authorised Signatory

D42RJ31

CERTIFICATE IS ONLY VALID IF SMS RECEIVED FROM REIL/TRANSPORT DEPT. KINDLY DESTROY THE INVALID CERTIFICATE.

Transport Dept. Govt. of Rajasthan

Transport Dept. Govt. of Rajasthan



Veh Reg No : JK02DF2755

PUC No : D42RJ31107765



Veh Reg No : JK02DF2755

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of West Bengal

Date : 20/10/2023
Time : 20:06:19 PM
Validity upto : 19/10/2024



Certificate SL. No. : WB06300650002947
Registration No. : JK02BR2055
Date of Registration : 02/Sep/2016
Month & Year of Manufacturing : June-2016
Valid Mobile Number : *****1250
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : WB0630065
GSTIN : 19AAGFJ3317D1ZM
Fees : Rs.100.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.53

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

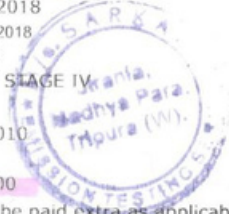
[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
State Transport Department

Date : 07/01/2023
Time : 09:50:54 AM
Validity upto : 06/01/2024

Certificate SL. No. : TR00400100001160
Registration No. : TR01AG1694
Date of Registration : 02/Apr/2018
Month & Year of Manufacturing : February-2018
Valid Mobile Number : *****4469
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : TR0040010
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL observation : No



Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/hC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda		1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.33

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Assam

Date : 06/01/2023
Time : 17:25:06 PM
Validity upto : 05/01/2024



Certificate SL. No. : AS01000110000871
Registration No. : TR061581
Date of Registration : 17/Apr/2015
Month & Year of Manufacturing : March-2015
Valid Mobile Number : *****8482
Emission Norms : BHARAT STAGE III/IV
Fuel : DIESEL
PUC Code : AS0100011
GSTIN :
Fees : Rs.130.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm

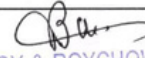


Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.5

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm


M/S. ROY & ROYCHOWDHURY
Dealer : IOC Ltd. (AOD)

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
State Transport Department



Date : 06/02/2023
Time : 09:26:52 AM
Validity upto : 05/02/2024

Certificate SL No. : TR00100210001826
Registration No. : JK02AQ2557
Date of Registration : 15/Sep/2010
Month & Year of Manufacturing : July-2010
Valid Mobile Number : *****1724
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : TR0010021
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.69

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm *Tapam Debnath*

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

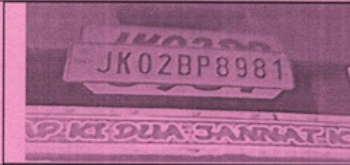
Authorised By :
Government of Jammu & Kashmir

Date : **01/05/2023**
Time : **18:15:01 PM**
Validity upto : **30/04/2024**



Certificate SL. No. : JK00200460002938
Registration No. : **JK02BP8981**
Date of Registration : 10/May/2016
Month & Year of Manufacturing : March-2016
Valid Mobile Number : *****0677
Emission Norms : BHARAT STAGE IV
Fuel : DIESEL
PUC Code : JK0020046
GSTIN :
Fees : Rs.100.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.31

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their vehicle with the national register of motor vehicles at <http://puc.parivahan.gov.in>

Authorised Signature with stamp of P
60mm x 20 mm

TRANSPORT DEPARTMENT OF JAMMU & KASHMIR

Driving Licence : JK-1420100013712
Address : BATOTE,
Udhampur, JK, 182101

Blood Group : B+
Date of Birth : 20-04-1989
Class of Vehicle : MCWG, LMV
TRANS

HAZ Validity Till

1. This card is required to be produced on demand 2. In the event of loss inform issuing Authority & nearest police station 3. Change of address should be intimated to the Issuing Authority 4. If found return to holder or Issuing Authority 5. Keep record of your licence number

Form DR

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Assam

Date : 09/01/2023
Time : 14:04:55 PM
Validity upto : 08/01/2024



Certificate SL. No. : AS00100760015367
Registration No. : AS01LC4511
Date of Registration : 05/Jul/2019
Month & Year of Manufacturing : May-2019
Valid Mobile Number : *****0000
Emission limits : DRAKAT STAGE IV
Fuel : DIESEL
PUC Code : AS0010076
GSTIN :
Fees : Rs.130.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	1.07

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm



Rooftop rainwater collection and harvesting system at CPP water reservoir



Rooftop rainwater collection and harvesting system at CPP water reservoir

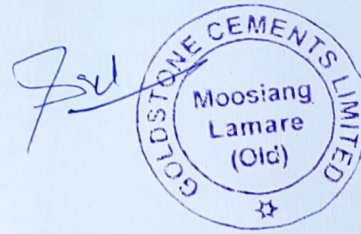


Rooftop rainwater collection and ground recharge system at CPP



Rainwater collection and ground recharge system at Guest House (Brahmaputra Sadan)

30.04.2024			
Description of Total Green Belt			
S. No.	Description	Area in Ha.	% of Area
1	Total Plant Land Area	51.411	
2	Greenbelt To be achieved	16.966	33.0
3	Greenbelt Achieved upto year 2023	16.365	31.83
4	Balance area for plantation	0.60	1.17
5	Greenbelt Achieved in year 2024	0.904	1.76
	Total Green Belt	17.269	33.6



GOLDSTONE CEMENTS LIMITED

GREENBELT DEVELOPMENT

PLANTATION YEAR - 2024

PLANTATION AREA-9037.54m²(0.9Ha.)

PLANTATION SPECIES

DEV DARU, KARANJA, AZAR, GULMOHAR,
RADHASURA, MOHOGANY, NEEM, SISSOO,
TITASOPA, KADAM, KANCHAN, FICUS, PEEPAL, BAKUL.



Goldstone Cements Limited

CHARTER ON CORPORATE RESPONSIBILITY FOR ENVIRONMENTAL PROTECTION (CREP) COMPLIANCE REPORT

S. No.	Condition	Compliance Status
1.	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards. 1. Augmentation of existing Air pollution control device. 2. Replacement of existing Air pollution control device.	Complying with notified standards given by MoEF&CC and stipulated in CTO.
2.	Cement Plants located in critically polluted or urban areas (including 5 kms. Distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Complying with existing emission standard stipulated MegSPCB i.e. 30 mg/Nm ³
3.	The new cement kilns to be accorded NOC / Environmental Clearance wef. 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emission.	Complying with existing emission standard stipulated by MegSPCB i.e. 30 mg/Nm ³
4.	CPCB will evolve load-based standards by December 2003.	Complied.
5.	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	Complied.
6.	The cement industries will control fugitive emission from all the raw material and products storage and transfer points by December 2003. *However, the feasibility for the control of fugitive emission from limestone and coal storage areas will be decided by the National task Force (NTF). The NTF shall submit its recommendations within three months.	Bag House / Bag filter are installed at all raw material /product storage and transfer points. Dust suppression by water sprinkling system installed at limestone crusher hopper, road, which are working efficiently.
7.	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in Cement Kiln by July 2003.	Noted.
8.	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/ sections for installation of continuous monitoring system (CMS) by December 2003.	We have already installed OCEMS at raw mill / Kiln Bag House, Clinker cooler ESP, Coal Mill, Cement Mill & CPP ESP stacks.
9.	Tripping in Kiln ESP to be minimized by July 2003 as per the recommendation of NTF.	Reverse air bag house is installed at Raw mill & Kiln.
10.	Industries will submit the target date to enhance the utilization of waste material by April 2003.	i. Fly ash generated from CPP is fully utilized for PPC manufacturing. ii. Domestic wastewater (Raw sewage) is treated at STP and treated water being utilized for plantation.

S. No.	Condition	Compliance Status
11.	NCBM will carry out a study on Hazardous waste utilization in cement kiln by December 2003.	Noted.
12.	Cement Industries will carry out feasibility study and submit target dated to CPCB for cogeneration of power by July 2003.	We have carried out the feasibility study for our plant for installation of WHRB and will initiate necessary action depending upon operational and economic feasibility.

Goldstone Cements Limited

Musiang Lamare (Old), East Jaintia Hills, Khliehriat, Meghalaya-793200

CSR Annexure for FY: 2023-24	
Area of CSR Activities	Amount (Rs in Lakhs)
Health & Sanitation	12.07
Education	4.29
Rural development	10.13
Community Development	0.63
Rural Housing	102.10
Total	129.21

CSR Photograph

Distribution of Bag, Shoes at Village School











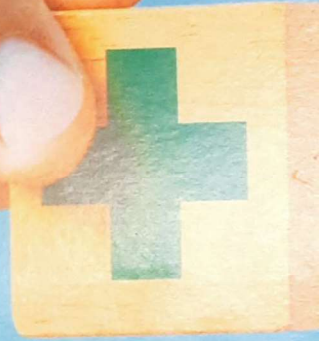
Medical Camp





 **MediClinic**

Doctors' Chambers | Diagnostics | Healthcheck



Name: BIJOY SINHA Age 35 Gender: M

Address: B.T.

Registration No: (1) Mobile No:

Doctors' Name:

 MediClinic, Chitrabon Enclave, Near Commerce College, Opposite NEXA, Zoo Road, Guwahati

 **7099044022, 7099014433**

MEDICAL FITNESS CERTIFICATE

(Annual Health Checkup)

It is certified that Shri/Smt/Miss Bijoy Sinha

Employed with **Goldstone Cements Limited**, has been examined* on

..... 02/04/2024

Based on the medical examination conducted he/she is found free from any infectious or communicable diseases and the person is fit to work in the above mentioned establishment.



Dr. Nayan Kumar Phukan
General Physician
Registration No: 6828 (AMC)

Seal & Signature of Registered Physician

*Medical examination conducted

1. Physical Examination
2. Skin Examination
3. Vision and color blindness
4. Sputum Analysis
5. Hearing Assessment: Audiometry
6. Lung Assessment: Spirometry
7. Chest Examination: X-ray Chest PA
8. Any test required to confirm any communicable or infectious disease which person suspected to be suffering from clinical examination

Chitrabon Enclave, Near Commerce College, Opposite NEXA, Zoo Road, Guwahati

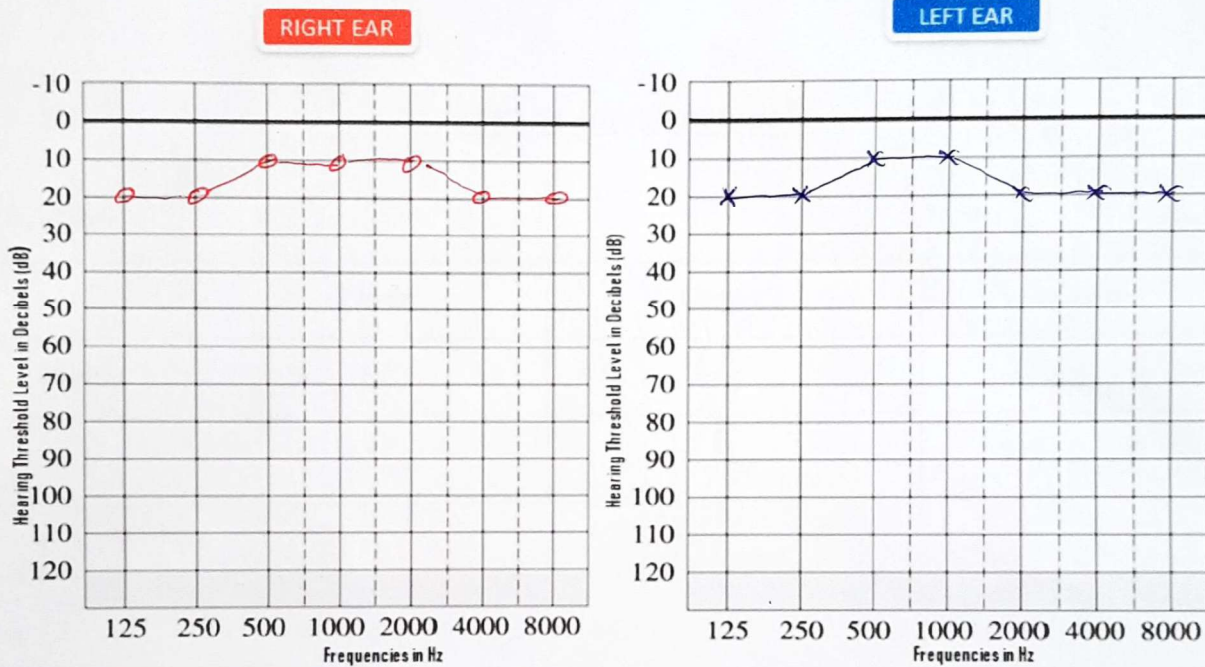
SI No: 1

Date: 02/04/24

Name: Bijoy Sinha

Age / Gender: 35 / M

AUDIОGRAM



Audiogram Key							
	AC Unmasked	AC Masked	BC Unmasked	BC Masked	No Response	Sound Field	Aided
Right Ear	O	△	<]	↖	S	A
Left Ear	X	□	>	[↘	S	A

SPEECH AUDIOMETRY			
	SRT	SDS	UCL
Right Ear	dBHL	%	dBHL
Left Ear	dBHL	%	dBHL

TUNING FORK TEST		
	Right Ear	Left Ear
WEBER		
RINNE		

IMPRESSION

B/L Hearing sensitivity within normal limit



A Unit of Premier Healthcare

SI No: ①

Date: 2/4/24

Name: Bijoy Sinha

Age / Gender: 35/m

EYE EXAMINATION REPORT

Vision Test:

	Near	Distance	Color
Right	N6	6/6	Normal
Left	N6	6/6	Normal

Vision Correction Advice:

Right Eye						Left Eye				
	SPH	CYL	AXIS	PRISM	V/A	SPH	CYL	AXIS	PRISM	VA
Distance										
Near										
Type	Bifocal / Progressive / Single Vision / Plano					Bifocal / Progressive / Single Vision / Plano				



Kuldip Mazumdar
Consultant Optometrist

Sl No: 1

Date: 02/04/24

Name: BIJOY SINHA

Age / Gender: 35 / M

MEDICAL EXAMINATION REPORT

Blood Pressure: 110/75 mmHG

Weight: 66 KG

Pulse: 81 Per Minute

Height: 170 CM

BMI: 22.8

P.U.3

7 sy Pantop DSR Cap.

sig. 1 cap daily before breakfast x 10 days.



Dr. Navin Kumar Bhattacharya
Signature

Seal & Signature of Registered Physician

Department of Pathology

UHID	: 2130424115	OPD ID	: 261/0424
Name	: MR. BIJAY SINHA	Name of Client:	: Black Tiger Cement
Age/Sex	: 35 Years / Male	Collection Time:	: 09-Apr-2024/12:07 PM
Ref. by Doctor	: Self	Completion Time	: 17-Apr-2024/11:51 AM
Primary Sample	: Sputum		

TEST	RESULTS	NORMAL RANGE
SPUTUM FOR AFB	Not Seen	

Method: Ziehl Neelsen staining and microscopy

Type of sample: Sputum

As per RNTCP (Revised National Tuberculosis Control Program) grading for AFB in sputum specimens:

No. of bacilli seen/Oil immersion field (100x)	Grading	No. of Oil immersion field (OIF) to be screened
>10/OIF	3+	20
1-10/OIF	2+	50
10-99/100/OIF	1+	100
1-9/100/OIF	Scanty (Exact number of bacilli)	100
No AFB in 100 OIF	Nil	100

----End of report----

Taru
LAB TECHNICIAN

Consultant Pathologist

Page 1 of 1

R

BIJOY SINHA 35YRS.M BT 1 M CHEST PA 4/2/2024 10:41 AM
MEDICLINIC-PREMIER HEALTHCARE, GUWAHATI

Report : Radiology

UHID	: 2130424115	OPD ID	: 261/0424
Name	: MR. BIJAY SINHA	Reg. Date/Time	: 09-Apr-2024/12:07 PM
Age/Gender	: 35 Years / Male	Printing Date/Time	: 16-Apr-2024/3:36 PM
Address	:		
Ref. By	: Dr. Self ,		

X-RAY CHEST (PA VIEW)**Clinical note :**

Check up.

Findings :

Lung fields do not reveal any active parenchymal lesion.
Pleural angles are clear and domes of the diaphragm are of normal contour.
Cardio-thoracic ratio is within normal limits.
Hilar shadows are normal.
Bony thorax is intact.
Soft tissue shadows are normal.

Impression :

RADIOLOGICAL FEATURES ARE ESSENTIALLY WITHIN NORMAL LIMITS.

DR SUSHANT AGARWAL
MBBS, MD
Consultant Radiologist

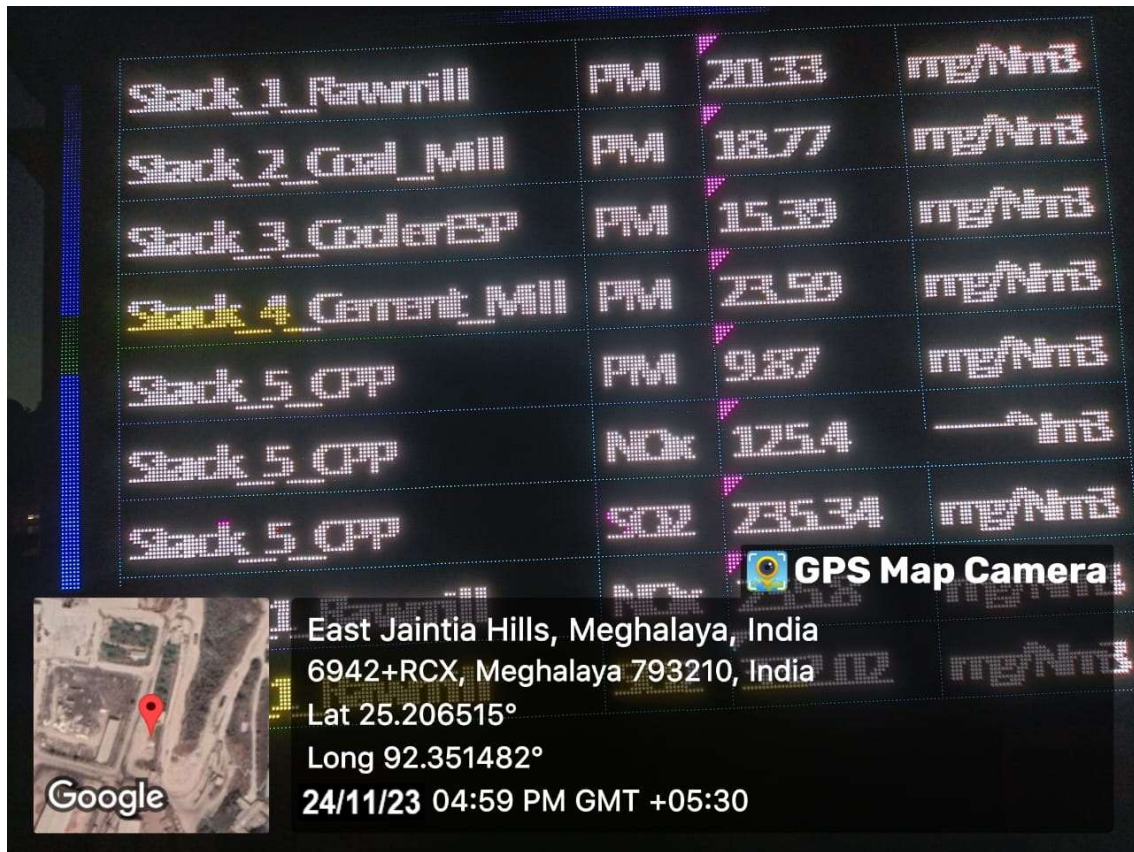
DR PINKU SARMA
MBBS, MD
Consultant Radiologist

DR. SHANTANU KUMAR BARUA
MBBS,DMRD(Dib)
Consultant Radiologist

A Unit of Premier Healthcare

Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati
W: www.mediclinicguwahati.com, E: customercare@mediclinicguwahati.com, Tel: 7099044022, 7099014433

Display Board



Letter No: GSCL/EHS/2023-24/39

Dated: 29.11.2023

To,
The Ministry of Environment & Forests & Climate Change,
Regional Office, Law-u-sib, Lumbatngan,
Near MTC Workshop, Shillong
Meghalaya-793021

Kind Attn. Dr. H: Tynsong, Scientist E

Sub: Six monthly compliance report for Cement Plant (1.65 MTPA, Cement 2.54 MTPA) along with Captive Thermal Power Plant (2x20 MW) at Vill: MusiangLamare (old), P.O. Khliehriat, Dist. EastJaintia Hills, Meghalaya 793200- regarding.

Ref: EC No. J-11011/851/2008-IA II (I) dated 30.09.2010

Dear Sir,

We are pleased to enclose herewith six monthly compliance status report for the period of 01.04.2023 to 30.09.2023 for the conditions stipulated in EC granted to our Cement Plant along with Captive Thermal Power Plant at Village MusiangLamare (old), P.O. Khliehriat, Dist. EastJaintia Hills, Meghalaya.

All annexures are enclosed as mentioned in compliance report for your kind reference.

We are also sending herewith soft copy of the compliance report to your good office via email moefro.shillong@gov.in for your kind perusal.

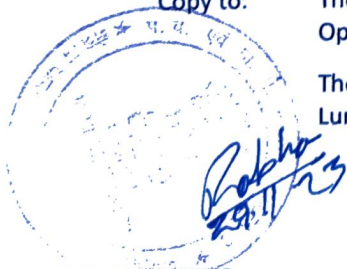
Thanking You,

Yours faithfully
For Goldstone Cements Ltd.


Kailash Tripathi
Dy. General Manager, Environment, Health & Safety



Copy to: The Regional Director, Central Pollution Control Board, Regional Directorate, Opp. Government Press, Ground Floor, CTO Building, BSNL Shillong- 793001
The Member Secretary, Meghalaya State Pollution Control Board, "ARDEN" Lumpynggad, Shillong, Meghalaya 793014



CORPORATE OFFICE
PS Srijan Corporate Park, Block GP-G2, Tower-1,
Unit No.190B, 19th Floor, Salt Lake, Sector-V,
Kolkata, (W.B) -70009, Ph.No. +91-33-40916900



SALES & MARKETING OFFICE
5A, 5th Floor, Shine Tower, 57, Sati Jaymati Road,
Arya Chowk, Rehabori, Guwahati,
Assam -781008, Ph. No. +91-361-2607071

Ref: GSCL/EHS/2023-24/30

Dated: 28.09.2023

To,
The Member Secretary,
Meghalaya State Pollution Control Board
Arden, Lumpynggad,
Shillong, Meghalaya 793014

Sub: Submission of Environmental Statement (Form-V) for the financial year ending 31st March 2023.

Dear Sir,

With reference to the subject as cited above, kindly find attached herewith the Environmental Statement (Form-V) for the period of 01.04.2022 to 31.03.2023.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully
For **Goldstone Cements Ltd.**

SVP
28/9/23
SVP Gupta
Executive President



Encl: Environmental Statement Report (Form-V)



Goldstone Cements Limited
CIN No. : U26940ML2007PLC008298

**GOVERNMENT OF MEGHALAYA
OFFICE OF THE CHIEF ENGINEER WATER RESOURCES DEPARTMENT**

NO. CE/WRD-1194/2012-13/2023-24/466

Dated Shillong, the 28th September 2023

NO OBJECTION CERTIFICATE

In pursuance of application received from S.V.P. Gupta, Plant Head, Goldstone Cements Limited dated 02.06.23 seeking NOC for drawal of surface water for cement industry and domestic usage at Musiang Lamare (Old) village, East Jaintia Hills District, Meghalaya and based on the recommendation of the District Water Resources Development Council (DWRC) East Jaintia Hills District, the undersigned is pleased to grant No Objection Certificate to Goldstone Cements Limited for drawal of surface water on the condition that there will not be any restriction for the Water Resources Department to utilise the required quantity of water from the river for any developmental and livelihood programmes along the Umsngat stream and within its catchment area.

In addition, the following terms and conditions are to be strictly adhered to by Goldstone Cements Limited:-

1. This No Objection Certificate (NOC) may be modified, suspended or revoked by the Department during its term for causes including, but not limited to (i) Violation of any Terms and Conditions of this consent and (ii) Obtaining the Consent by misrepresentation or failure to disclose fully all relevant facts.
2. Goldstone Cements Limited shall not claim any rights over the river//stream/water source or any part of it.
3. This Particular NOC is with respect to approval for utilization of surface water only. Goldstone Cements Limited should obtain other mandatory clearances or NOCs from concerned Departments, Local Authorities including the Autonomous District Council and landowners as and when necessary.
4. Goldstone Cements Limited is to draw only 1000 m³ of water per day during the monsoon period and 500 m³ per day during the lean period and for any additional requirement of water from Umsngat stream, permission will have to be obtained from the concerned authorities.
5. Minimum environmental flow, as prescribed by the Ministry of Environment and Forest (MoEF), should be ensured and maintained at all time.
6. During the lean season, the water allocation priority shall be as specified in the Meghalaya State Water Policy 2019.

7. Goldstone Cements Limited shall strictly abide by the rules and regulations laid down by the Government of Meghalaya from time to time including any regulation pertaining to payment of water royalty. Terms and conditions as specified in the State Water Policy shall be followed wherever applicable.
8. Monitoring as to the observance of the Terms and Conditions will be done by officials of the Water Resources Department in the presence of representatives of Goldstone Cements Limited on a yearly basis.
9. The NOC will remain valid for a period of 3 (three) years only from the date of issue. Revalidation of the NOC has to be applied 3(three) months before the expiry date. Revalidation will be granted after inspection conducted and recommendation made by the DWRDC.
10. Any difference and/or dispute arising at any time between the parties in regard to terms and conditions above or interpretation thereof shall in the first instance be endeavoured to be resolved mutually and amicably by the parties hereto through good faith negotiation, failing which the matter shall be referred to the higher authority of the Government of Meghalaya. In the event that such a dispute persists or cannot be resolved, it shall be referred to a court of law within the jurisdiction of Shillong. The award there under shall be final and binding upon the parties, subject to legal remedies available under the law.

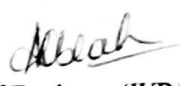
Sd/-

(Smt. A.D. Blah)
Chief Engineer (WR)
Meghalaya, Shillong

Memo No. CE/WRD-1194/2012-13/2023-24/ 466 - A **Dated Shillong, the 28th September 2023**

Copy to :

1. ✓ S.V.P. Gupta, Plant Head, Goldstone Cements Limited
2. Deputy Secretary to the Government of Meghalaya, Water Resources Department.
3. Superintending Engineer (WR) Shillong Circle for information
4. Executive Engineer (WR) & Member Secretary DWRDC, East Jaintia Hills, Khliehriat for information and necessary action.
5. Office Copy


Chief Engineer (WR)
Meghalaya, Shillong

Coal Shed N Pit

